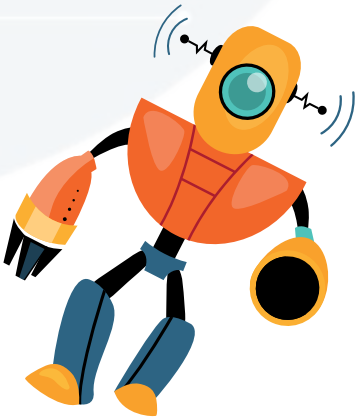
PONY

ICT

February Revision



6th Primary

Second Term

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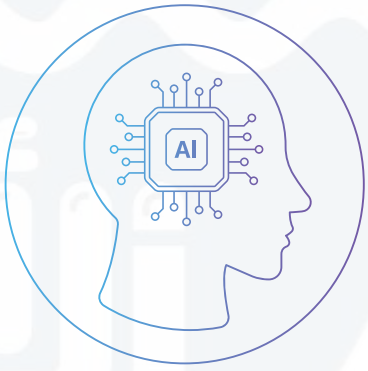
February Revision

1 Summary

Lesson 2

- Artificial intelligence (AI) is a technology that uses human problem-solving, reasoning, and decision-making traits.
- Common AI tools include:
  - Facial recognition
  - Navigation apps
  - Smart home devices
  - Digital voice assistants
  - Email spam filters
  - Chatbots
  - Social media connection suggestions
  - Interactive learning programs
  - Language processing tools



- AI depends on algorithms to learn problem-solving, reasoning, and decision-making.
- AI designers should follow some ethics: be inclusive, unbiased, beneficial, transparent, protective of user privacy and security, and accountable for any tool malfunctions.
- Users of AI should also be ethical by using AI tools to help themselves, others, and society, but not to invade privacy, cheat, or cause harm.
- Language processing tools are invaluable resources, but they can be misused for plagiarism, misinformation, and impersonation.
- Users must ensure that the AI tool's developer follows a code of ethics.

Lesson 3

- E-commerce is the buying and selling of goods and services on the internet.
- Experienced consumers use technological research tools to make the best purchasing decisions.
- Search engines can be used to find information about anything, including products and website information. They can help consumers make their decisions.

- Consumers use comparison websites to help them compare products. Comparisons could be based on the price or quality of the product.
- Online reviews by consumers, or even friends or family members on social media, can also be valuable.
- Consumers need to be careful. Some reviews may be fake or exaggerated.
- A stock exchange is a market where people can buy and sell shares, called stocks.
- Stocks therefore give the individual a percentage of ownership in a company.
- The individual makes or loses money depending on the company's performance and activity.
- Companies can also sell bonds to help raise money.
- Individuals may choose to purchase stocks to support a company they trust.
- Stocks and bonds can be bought, managed, and sold through trusted and official websites. This way, people can have more control over their financial decisions.

Lesson 4

- Educational Service Providers (ESPs) include both profit and non-profit organizations that provide educational support.
- ESPs are sources of information that a student can potentially learn from.
- ESPs may include online libraries, educational publishing sites, and online museums.
- Alexandria Library and Egyptian Knowledge Bank are two well-known ESPs.
- You can contact ESPs to help you with research or other educational needs. For example, you can send an email request. It's important to be formal when writing to an ESP.
- Sometimes you may get an automatically generated reply thanking you for your email and letting you know when you will receive a reply.
- You can also communicate with some ESPs using chat windows if they are included on their website. It is a bit less formal. However, you must still be polite and clear in your request.
- Chat windows usually have chatbots for responses.
- Chatbots aren't real people. They are artificial intelligence (AI) computer programs designed to respond to questions online.

- When communicating using chat windows, it's essential to be as clear and focused in your request as possible. Otherwise, you may not get an accurate or relevant response.

Lesson 5

- There are other tools of cloud computing that you can use to communicate with everyone at the same time (real-time communication).
- This can be done by using digital tools, such as:
  - Video chats

- Live television shows
- Instant chat rooms

- Real-time communication often allows you to get your message across in a more engaging way.
- Two popular video conferencing platforms are Microsoft Teams and Google Meet.
- Here are some tips for using video conferencing software via the Google Meet platform:
- To create a Meet: Click on New Meeting. Then click on the option that works for you. The option to start a meeting instantly, or to create a meeting for later.

- Once you have created your meeting, copy the meeting link that Google provides. Share it with the meeting participants.
- To join a Meet, there are two ways you can join a meeting:
  - You can copy and paste the invite link into your browser.
  - You can also enter the link into the "Enter a code or link" field. Then, click Join.
- Once you're in the Meet, you will be asked to approve the use of the microphone and camera. Click on the microphone icon for audio and the camera icon for video.
- To turn off the camera or microphone, just click on the icon again.
- Before making a video conference, remember to double check your connection and software. Fix any glitches.

- During your video conference, remember that participants will be able to see you unless you turn off your camera. Dress appropriately,

and be sure to smile and appear friendly. Check that your microphone is on when you're speaking, and mute it when you're not.

- After your video conference, send a follow-up email. In your email, include a summary of the meeting or a link to the recording of the meeting if it was recorded.

Lesson 6

- Programming languages are commands that are provided in sentences for writing computer programs.
- HyperText Markup Language (HTML) is a language commonly used to create web pages.
- Static web content is set and remains the same to every user who visits the website.
- Dynamic web content is content that can be changed based on the individual user's interactions with the app or website.
- HTML is used to create static web content.
- Programming languages, like JavaScript, allow the creation of dynamic web content.

- Problem: Corrupted file. Possible solutions: Check that the file was downloaded correctly. If you're not sure, delete the corrupted file and download it again. Try opening the file using another program. Make sure your software version is up-to-date. If it isn't, run the necessary updates.
- Problem: Device won't charge. Possible solutions: Make sure your charging cable is functioning. If it isn't, replace it with a new cable. Be sure there are no issues with your electricity or socket at home. Check for dust and water in the charging port. Clean the port or remove the water by following the instructions from your device's provider.

- Problem: Forgotten password. Possible solutions: Click on the link that confirms you forgot your password. Follow the steps to create a new password. In the future, use a password manager application. Set up strong, unique passwords for each account and remember the master password for the password manager.
- Problem: Accidental file deletion. Possible solutions: Make sure you can see the "Recycle Bin" or "Trash" feature on your computer, which temporarily stores deleted files. Regularly back up important files to an external hard drive or cloud storage service.
- Problem: Error message when trying to save a file. Possible solutions: Make sure you're not using the name of another file. Check that you have the right to access the file storage location, such as a local hard drive or cloud storage. Check to see if your file name includes "special characters", which can prevent the file from saving properly.

February Revision

2 Model Exams

Model Exam 1

1 Choose the correct answer:

1. AI depends on ..... to learn problem-solving, reasoning, and decision-making.
   a. algorithms b. AR
   c. VR d. none of the previous
2. ..... give the individual a percentage of ownership in a company.
   a. Reviews b. Bonds c. Stocks d. Products
3. ..... respond to your questions online through chat windows.
   a. Real people b. Chatbots c. ISPs d. Chat rooms
4. ..... are real-time communication tools.
   a. Video chats b. Live TV shows
   c. Instant chat rooms d. All the previous
5. The Recycle Bin in your computer ..... deleted files.
   a. temporarily stores b. permanently removes
   c. both a and b d. none of the previous

2 Put (✓) or (✗):

1. AI tools should be inclusive to all users. ( )
2. The only way to contact ESPs is through emails. ( )
3. Reviews by family and friends are useful in evaluating products. ( )
4. You can join a meeting by entering the invite link. ( )
5. Dynamic web content remains the same for every user. ( )

3 Complete the following sentences using the words between brackets:

(JavaScript – Social media platforms – E-commerce – comparison websites – Google Meet)

1. ..... is a popular video conferencing platform.
2. You can use ..... to help you compare products.
3. ..... use AI to suggest connections to users.
4. ..... is a programming language used to create dynamic web content.
5. ..... is the buying and selling of goods and services on the internet.

Model Exam 2

1 Choose the correct answer:

1. Smart thermostats use AI to ..... .
   a. play music
   b. cook food
   c. regulate the temperature
   d. clean the room
2. ..... are examples of technological research tools.
   a. Comparison websites
   b. Search engines
   c. Online reviews
   d. All the previous
3. ..... is/are example(s) of ESPs.
   a. Alexandria Library
   b. EKB
   c. Facebook
   d. Both a and b
4. The basic tools in Microsoft Teams and Google Meet are ..... .
   a. similar
   b. different
   c. variable
   d. none of the previous
5. Comparisons websites compare products based on the ..... .
   a. price
   b. quality
   c. both a and b
   d. none of the previous

6 ..... is content that remains the same to every user who visits the website.

a. Static content
b. Dynamic content
c. Interactive content
d. All the previous

7 Social media sites use AI to suggest ..... to users.

a. connections
b. devices
c. locations
d. none of the previous

2 Put (✓) or (✗):

1 Language processing tools may be used to plagiarize work. ( )
2 Rumors and lies affect the company's business positively. ( )
3 Online museums can be considered as ESPs. ( )
4 You should mute your microphone when you're not speaking. ( )
5 HTML can only create dynamic web content. ( )
6 If a file is corrupted, try opening it using another program. ( )
7 Data used in AI should be based on personal views. ( )
8 AI tools are not used in writing essays. ( )

Model Exam 3

1 Choose the correct answer:

1 HTML is commonly used for creating ..... .

a. AI software b. games c. web pages d. mobile apps

2 A market for buying and selling stocks is called ..... .

a. supermarket
b. stock exchange
c. bonds
d. none of the previous

3 The follow-up email after a video conference should include a ..... of the meeting.

a. summary
b. recording
c. recipe
d. a or b

4 ..... are AI computer programs designed to respond to questions online.

a. Video chats b. Chat rooms c. Chatbots d. All of them

5 Navigation apps use ..... to guide you to a destination.

a. AI b. AR

c. VR d. none of the previous

2 Put (✓) or (✗):

1 📖 Unlocking the device with facial recognition is considered an artificial intelligence tool. ( )

2 ESPs include both profit and non-profit organizations. ( )

3 If your device doesn't charge, try to use another charging cable. ( )

4 JavaScript is primarily used for creating static web content. ( )

5 Buying or selling stocks do not involve any risk. ( )

3 Choose from column (A) what suits it in column (B):

Column (A)	Column (B)
1 Static web content	a. is used to communicate with some ESPs formally.
2 Microsoft Teams	b. shouldn't be used to invade people's privacy.
3 Email	c. is the content that remains the same to every user.
4 AI tools	d. are research tools that provide links to relevant shopping sites.
5 Search engines	e. is a popular video conferencing platform.

1 ..... 2 ..... 3 ..... 4 ..... 5 .....

Model Exam 4

1 Choose the correct answer:

1 Companies can sell ..... to raise money.
a. books b. reviews c. bonds d. competitors

2 📖 ..... is considered one of the common artificial intelligence tools.
a. Intimidation software b. Office software
c. Operating system d. Email filter

3 ..... prevent(s) dangerous emails from reaching your inbox.
a. Navigation apps b. Facial recognition
c. Chat windows d. Email spam filters

4 ..... can be bought, managed, and sold through websites.
a. Bonds b. Stocks
c. Both a and b d. None of the previous

5 To prevent the problem of forgetting passwords, you should use ..... .
a. MS Paint b. Password Manager
c. algorithms d. chatbots

6 When communicating with ESPs, you may use ..... windows.
a. email b. instant c. chat d. AR

7 To create a meeting in Google Meet, click on ..... .
a. Join Meeting b. New Meeting
c. Leave Meeting d. none of the previous

8 Deleting the file and downloading it again is a solution to the problem of: ..... .
a. The file was accidentally deleted.
b. The file is corrupted.
c. The file can't be saved.
d. The device won't charge.

2 Put (✓) or (✗):

1. AI tools should be available to all users. ( )
2. Transparency in AI tools involves hiding how they work. ( )
3. There is no need to check the connection and software before a video call. ( )
4. Online reviews are always accurate and trustworthy. ( )
5. When writing to an ESP, it's not important to be formal. ( )
6. You can turn off the microphone or camera by clicking on the icon again. ( )
7. If the file name includes special characters, it may give an error message when saving it. ( )

Model Exam 5

1 Choose the correct answer:

1. The web content that changes based on the user interactions is called ..... .
   a. static content b. dynamic content
   c. fixed content d. both a and b
2. ..... is/are example(s) of video conference apps.
   a. Skype b. Microsoft Teams
   c. Google Meet d. All of them
3. ..... are equal parts into which the ownership of a company is divided.
   a. Reviews b. Bonds c. Shares d. Products
4. 🕮 ..... means that artificial intelligence tools must include all users, not just a specific group.
   a. Transparency b. Totality (Inclusivity)
   c. Reservation d. Benefit

5 📖 Check your connection to the internet and the software ..... .
a. during a video conference b. before a video conference
c. after the video conference ends d. after recording the meeting

6 Once you're in the Meet, you should approve the use of the ..... .
a. microphone b. camera c. both a and b d. none of them

7 ..... are sources of information that a student can potentially learn from.
a. Internet Service Providers b. Educational Service Providers
c. Social media platforms d. Online shopping sites

8 ..... help(s) you formulate your writing or responses.
a. Facial recognition b. Navigation apps
c. Language processing tools d. Chat windows

2 Put (✓) or (✗):

1 It is important to include a summary of the meeting in your follow-up email. ( )

2 Update your programs regularly to prevent corrupted files. ( )

3 📖 Educational service providers include non-profit organizations only. ( )

4 When communicating with ESPs, it's necessary to be clear and focused. ( )

5 Products' reviews from family and friends are not helpful. ( )

6 📖 E-commerce is the process of buying and selling goods and services over the internet. ( )

7 Designers of AI tools should follow the code of ethics. ( )

Answers

Model Exam 1

1 1 a 2 c 3 b 4 d
5 a

2 1 (✓) 2 (✗) 3 (✓) 4 (✓)
5 (✗)

3 1 Google Meet
2 comparison websites
3 Social media platforms
4 JavaScript
5 E-commerce

Model Exam 2

1 1 c 2 d 3 d 4 a
5 c 6 a 7 a

2 1 (✓) 2 (✗) 3 (✓) 4 (✓)
5 (✗) 6 (✓) 7 (✗) 8 (✗)

Model Exam 3

1 1 c 2 b 3 d 4 c
5 a

2 1 (✓) 2 (✓) 3 (✓) 4 (✗)
5 (✗)

3 1 c 2 e 3 a 4 b
5 d

Model Exam 4

1 1 c 2 d 3 d 4 c
5 b 6 c 7 b 8 b

2 1 (✓) 2 (✗) 3 (✗) 4 (✗)
5 (✗) 6 (✓) 7 (✓)

Model Exam 5

1 1 b 2 d 3 c 4 b
5 b 6 c 7 b 8 c

2 1 (✓) 2 (✓) 3 (✗) 4 (✓)
5 (✗) 6 (✓) 7 (✓)